

# Special Issue

## Probing the Early Universe

### Message from the Guest Editor

We will here give a wide definition of the concept “Early Universe”. Therefore, we will include not only the first moments, such as the inflationary era lasting about 10–33 s, the time when the asymmetry between matter and antimatter appeared, the first ten minutes with cosmic nucleosynthesis, and the time about 380,000 years later when the universe became transparent for the radiation which now makes up the cosmic microwave background, but also the time afterward up to one billion years after the inflationary era, when the first stars and galaxies appeared, and the reionization of the cosmic matter happened. New observational results obtained for example by means of the James Webb Telescope are welcome. We want to invite you to contribute a scientific article with new results or a review article to this Special Issue.

### Guest Editor

Prof. Dr. Øyvind Grøn

Art and Design, Faculty of Technology, Oslo and Akershus University  
College of Applied Sciences, P.O. Box 4 St., Olavs Plass, NO-0130 Oslo,  
Norway

### Deadline for manuscript submissions

closed (31 May 2025)



# Universe

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.6  
CiteScore 5.2



[mdpi.com/si/189589](https://mdpi.com/si/189589)

*Universe*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[universe@mdpi.com](mailto:universe@mdpi.com)

[mdpi.com/journal/](https://mdpi.com/journal/)

[universe](https://universe)





# Universe

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.6  
CiteScore 5.2



[mdpi.com/journal/  
universe](https://mdpi.com/journal/universe)



## About the Journal

### Message from the Editor-in-Chief

The multidisciplinary journal *Universe* is aiming to follow and, hopefully, to lead to the largest extent as possible the ever-self renovating threads which weave mathematical theories with our understanding of the magnificent natural world. On behalf of all the distinguished members of the Advisory and Editorial Boards, I extend my welcome to this journal and look forward to hearing from the interested contributors and learning about their valuable research.

---

### Editor-in-Chief

Prof. Dr. Lorenzo Iorio  
Ministero dell' Istruzione e del Merito, Viale Unità di Italia 68, 70125 Bari,  
Italy

---

### Author Benefits

#### Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

#### High Visibility:

indexed within Scopus, SCIE (Web of Science), Astrophysics Data System, INSPIRE, CAPlus / SciFinder, Inspec, and other databases.

#### Journal Rank:

JCR - Q2 (Astronomy and Astrophysics) / CiteScore - Q2 (General Physics and Astronomy)